

## **AMENDMENTS**

### *In the Claims*

1. (Currently Amended) A method for processing names by a naming service within a data processing system, the method comprising:
  - obtaining an application name that is associated with an application;
  - obtaining a deployment name that is associated with a deployment attribute that characterizes a deployment of an instance of the application;
  - generating an application-based name for the instance of the application; ~~and~~
  - storing the application-based name for the instance of the application in a computer storage medium, wherein
    - the application-based name represents a context within a naming system;
    - the application-based name is a compound name that comprises the application name and multiple deployment names associated with multiple deployment attributes ~~the deployment name; and~~
    - each of the multiple deployment attributes is a metadata value that characterizes a manner in which the instance of the application is deployed within the data processing system, each of the multiple deployment attributes is selected from a group comprising
      - a deployment identifier, the deployment identifier being a unique identifier associated with the deployment operation, the deployment identifier being unique over all deployment operations within the data processing system or unique over all deployment operations for all instances of the application within the data processing system;
      - a version identifier or an edition identifier associated with a version of the application; and
      - an identifier for a deployment-associated characteristic or metric;
  - binding the application-based name to a data object;
  - relating the data object to a context for an application server; and

resolving the application-based name to a previously bound data object; and wherein  
an application comprises a plurality of application modules, each module being  
associated with a module name and each module being associated with an  
application-based name based on its module name.

2.-24. (Cancelled)